Packet-Radio Digest   Sat, 28 Aug 93   Volume 93 : Issue 253

Today's Topics:
                   Amiga C-BBS V7.20j released
           Comments please on MFJ 1270B and 1274 TNC's
                        Digital Hierarchy
                   Inexperienced would-be ham
                   JNOS and the G8BPQ switch
                      TheNet version X1J

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 27 Aug 1993 02:30:22 GMT
From: tribune.usask.ca!herald.usask.ca!hardie@decwrl.dec.com
Subject: Amiga C-BBS V7.20j released
To: packet-radio@ucsd.edu

Release V7.20j of C-BBS for the Amiga is available for anonymous FTP on site
ftp.usask.ca in the directory pub/amiga/hamradio. See the INDEX file.
73 de Pete hardie@herald.usask.ca VE5VA

Date: Fri, 27 Aug 1993 19:28:42 GMT
From: dog.ee.lbl.gov!hellgate.utah.edu!utah-morgan!cs.utexas.edu!sdd.hp.com!
col.hp.com!news.dtc.hp.com!srgenprp!alanb@network.ucsd.edu
Subject: Comments please on MFJ 1270B and 1274 TNC's
To: packet-radio@ucsd.edu

Tom J Farish (tjf@beta.lanl.gov) wrote:
: I am about to take the plunge into packet. I've got the radio, the antenna,
: a Mac (also an Amiga). Now I need a TNC. The MFJ units seem to have some
: nice features, and the price is low. How do they work? Compared to BayPac,
: PMP, etc. Is there something I can adapt to my Amiga? How is Savant for
: the Mac? So many questions, so little time...

The 1270 is a more-or-less standard clone of the TAPR TNC-2. It's fine
if all you want is a standard packet TNC.

The 1274 is a multi-mode modem. The hardware is very simple -- a rather
crude PLL type modulator/demodulator with raw serial input/output to
two of the miscellaneous control lines of the serial interface to the
host computer. ALL the decoding is done by a software program (supplied)
in the host PC. This means you MUST use a standard IBM clone.

Note that the 1274 does not use the TXD and RXD bits to send and recieve
the serial data, but uses some handshake lines (I forget which ones)
with the PC doing some kind of parallel poll to do the decoding.
This means if your PC's serial interface is in any way non-standard,
it might not work. Mine didn't. I later found out that one of the
wires on the connector was mis-wired. However, it worked fine with
my Hayes-compatible modem and my Kantronics TNC.

The 1274 has no pre-filtering of the received signal. To get decent
performance on RTTY, CW, FAX, etc. I would recommend some kind of
external filter ahead of the unit. Either selectible IF filters in
your HF transceiver or perhaps a variable-bandwidth audio filter
like the W9GR DSP unit.

AL N1AL

Date: Sat, 14 Aug 93 21:29:08 GMT
From: europa.eng.gtefsd.com!darwin.sura.net!sgiblab!wattres!steve@uunet.uu.net
Subject: Digital Hierarchy
To: packet-radio@ucsd.edu

In article <CBr91o.5tG@dartvax.dartmouth.edu> Kenneth.E.Harker@Dartmouth.Edu
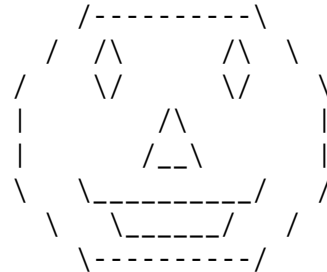(Kenneth E. Harker) writes:
>   It would seem to me that a sensible solution to the digital
>hierarchy problem would be for someone to start the voting process for
>groups like:
>
>rec.radio.amateur.digital.packet
>rec.radio.amateur.digital.tcpip
>rec.radio.amateur.digital.rtty

>rec.radio.amateur.digital.pactor
>rec.radio.amateur.digital.equipment

And, in fact, that's what the people who thrashed out the new group proposal
suggested. Well, r.r.a.d.tcpip and r.r.a.d.misc, at least. However, due
to an (apparent) lack of interest, r.r.a.d.tcpip did not pass. My intent
was (after the 6 month waiting period for retrying votes times out) to
start up discussion about (at least) r.r.a.d.tcpip, r.r.a.d.packet, and
r.r.a.d.hf-modes (or something approximately like that).

However, all that has to wait (per the Guidelines) until 6 months after
the previous RFD for related groups. Which will be sometime in December,
if I remember the history right. I was planning on around Jan 94 to
start discussion.

flame mode on

If you were displeased with the outcome of the vote, or don't understand
why r.r.a.packet was renamed, maybe you should've paid more attention when
the RFD (Request For Discussion) was posted. Or at least voted!
Final word on voting: If you don't vote, you can't bitch.

For those who care, all information that was posted to news.groups or
to the rra-reorg mailing list is availabe for FTP from amdahl.com. I
don't remember where, though... browse around. This will be the place
to read all of the discussion that went on with respect to the changes,
and to see what the rationale was.

flame mode off

Phew, much better.

73 de KD6GGD
--
Steve Watt KD6GGD   Packet: KD6GGD @ N0ARY.#NOCAL.CA.USA.NA
ICBM: 121W 56' 53.1" / 37N 20' 16.7"   Internet: steve@wattres.SJ.CA.US
"Never let your sense of morals prevent you from doing what is right."
     -- Salvor Hardin, "Foundation"

Date: 14 Aug 93 15:09:48 CDT
From: spool.mu.edu!umn.edu!doug.cae.wisc.edu!trevor@uunet.uu.net
Subject: Inexperienced would-be ham
To: packet-radio@ucsd.edu

 I would like to know how much a basic packet setup would cost. Exclude the
computer, which I have access to, but include a transmitter (HF preferably)

and all other stuff.

 Thanks in advance for any assistance.

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+--+   /----------\
| Trevor Dolby | / /\   /\ \
| Consultant, Computer Aided Engineering Center | /   \/   \/   \
| University of Wisconsin, Madison | | /\ |
| | | /__\ |
| E-Mail: trevor@cae.wisc.edu | \   _____/   /
| tcd@caestaff.engr.wisc.edu | \   _____/   /
+--+   \----------/

Date: 28 Aug 93 04:55:25 GMT
From: tcsi.tcs.com!iat.holonet.net!n0lqt@uunet.uu.net
Subject: JNOS and the G8BPQ switch
To: packet-radio@ucsd.edu

   Has anyone successfully? interfaced the G8BPQ switch (pc version) and
any of the JNOS TCP/IP packages? I am putting together a full-fledged
node that is hardwired via the loopback to a JNOS 1.09 system for
TCP/IP activity rather than use the NetRom interface in JNOS over the
air. I have the G8BPQ system running correctly on the air without
JNOS and I have the JNOS system running correctly without the G8BPQ.
The problem I am running into is when I run the two if them. JNOS is
sending thru BPQ just fine. I have used the NODEDRV4.COM in BPQ and
the "attach packet" in JNOS. The trouble is that JNOS is not hearing
anything back thru the BPQ node after it transmits. I'm assuming
that is my fault because I don't have the interupts, IOaddresses, and
node port assigned correctly. I can watch the outbound packets from
JNOS with a monitor program to the correct ports of the BPQ switch
and I see the switch responding back thru the port. I turn on a
trace in JNOS (both the node interface and the internal loopback) and
see nothing. The heard listing shows nothing.

Here is what I have done so far:

   Parameters from the PORTS definition in BPQCFG.TXT
        PORT
                ID=145.650 NEWBB BBS LAN
                TYPE=ASYNC
                PROTOCOL=KISS
                IOADDR=2F8H
                INTLEVEL=3
                SPEED=9600

```
                        TXDELAY=380
                        CHANNEL=A
                        QUALITY=100
                        MAXFRAME=2
                        FULLDUP=0
                        RETRIES=10
                        PACLEN=256
            ENDPORT
            ;
            PORT
                        ID=Hard-Link to IPLQT System
                        TYPE=INTERNAL
                        PROTOCOL=KISS
                        IOADDR=2F8H
                        INTLEVEL=3
                        SPEED=9600
                        CHANNEL=A
                        QUALITY=255
                        MAXFRAME=2
                        TXDELAY=380
                        SLOTTIME=100
                        PERSIST=64
                        FRACK=7000
                        FULLDUP=0
                        RETRIES=10
                        PACLEN=256
            ENDPORT
; there is another port (#1) that is not shown here

    Loaded in the AUTOEXEC.BAT
            BPQCODE
            YTNC 22 1 1

    Loaded in a BAT file that starts JNOS (in DesqView)
            NODEDRV4 0X60 3 2
            NODEDRV4 0X61 4 3

    in the AUTOEXEC.NOS file for JNOS
            attach packet 60 radio 5 256    # radio interface used directly by JNOS
            attach packet 61 node 5 236     # path to node switch (BPQ)
```

    I'm thinking the problem lies in the the area of the IOADDR parameter
inside the BPQCFG.TXT Right now I am using the same IOADDR and
INTLEVEL that the previous port used. Somehow that doesn't seem
right. There is another port on the switch to another network as well
as a W0RLI BBS running in another DV window. BPQ Ports 1 and 2 are radio
ports and Port 3 is the link to JNOS. JNOS also has direct access to
the radio on port 2 along with the switch. (the doumentation says

this can be done as long as BPQ is in control) JNOS has two ports
(RADIO and NODE). NODE and BPQport3 are the loopback.

    Anybody got any ideas where I have gone wrong? I'd be glad for any
help or suggestions.

                                        Seeyaalllaterbye... JoeP.
     de N0LQT (Joe Palmer) from Newton, Ks. 67114 On a TCP/IP Network BBS

 EMAIL Addressing:
  Packet: n0lqt@n0lqt.#scks.ks.usa.na LLBBS: Joe Palmer @ (316)-284-2421
  Compuserve: Joe Palmer (73327,760)   InterNet: n0lqt@holonet.net
==

... Hardware: The part you kick.
___ Blue Wave/QWK v2.12

Date: Thu, 26 Aug 1993 06:12:45 +0000
From: news!demon!llondel.demon.co.uk!dave@uunet.uu.net
Subject: TheNet version X1J
To: packet-radio@ucsd.edu

In article <746291573snx@skyld.tele.com> jangus@skyld.tele.com (Jeffrey D. Angus)
writes:
>
>In article <9308250532.AA13335@tecnet1.jcte.jcs.mil> mgb@tecnet1.jcte.jcs.mil
writes:
>
> >
> > I've asked about where to get TheNet version X1J, and have been told
> > that it is presently under beta test. I've looked for it all over the
> > internet with no luck.
>
> ...
>
> > In any case I have placed it on ucsd.edu in hamradio\packet\tcpip\incoming
> > although I did not give any explanation for it. (sorry brian).
> >
> > If it does not get killed .. go and get it. What's the saying? Caveat-
> > Emptor???   I think it applies here, although it is presently working
> > perfectly.
>
> Sounds like the television networks all wanting to be first with the news
> and none wanting to wait until they get real news.
>

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>  Buck Rogers is mailing out copies of it (thenet x1j) as well via diskette
>  and stated as much in the September 73 edition of CQ where he highlights
>  the deviation telemetry option on the JHeard command.
>
>  I guess the "never mind if it works right, as long as it's the newest"
>  mentality is what has kept the Kenwood TS-9xx product line profitable.
>
>
The full release version is currently on Compuserve somewhere. Hopefully my
copy will appear before long (I am not on Compu$erve) so I can upload it
to the net. Anyone finding the beta-test version on the net, please delete it.
AFAIK there is no copy of the full release currently on the net.

Dave

*****************************************************************************
* G4WRW @ GB7WRW.#41.GBR.EU AX25     *    Start at the beginning. Go on     *
* dave@llondel.demon.co.uk  Internet *    until the end. Then stop.         *
* g4wrw@g4wrw.ampr.org      Amprnet   *    (the king to the white rabbit)   *
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End of Packet-Radio Digest V93 #253
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